

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 394 689 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 90105915.4

(51) Int. Cl.⁵: D06M 15/643

(22) Date of filing: 28.03.90

(30) Priority: 29.03.89 US 330108

(43) Date of publication of application:
31.10.90 Bulletin 90/44

(84) Designated Contracting States:
AT BE CH DE ES FR GB GR IT LI LU NL SE

(88) Date of deferred publication of the search report:
13.03.91 Bulletin 91/11

(71) Applicant: UNION CARBIDE CHEMICALS AND
PLASTICS COMPANY, INC.
39 Old Ridgebury Road
Danbury Connecticut 06817-0001(US)

(72) Inventor: Sabla, Angelo James
1370 Edcris Road
Yorktown, New York, 10598(US)
Inventor: Gum, Mary Lou
22 Cornell Road
New Fairfield, Connecticut, 06812(US)

(74) Representative: von Hellfeld, Axel, Dipl.-Phys.
Dr. et al
Wuesthoff & Wuesthoff Patent- und
Rechtsanwälte Schweigerstrasse 2
W-8000 München 90(DE)

(54) Method of treating fabrics and other substrates with exhaustible cationic silicones.

(57) A method of improving the softness, or antistatic properties of a textile without yellowing comprising treating said textile with a composition comprising a) about 0.05 to about 5 weight percent of a cationic silicone of the structure $M D_x D'_y M$ where M is $(CH_3)_3 SiO_{1/2}$; D is $OSi(CH_3)_2$; D' is $CH_3 SiO(CH_2)_3 OCH_2 CH(OH) CH_2 N^+ (CH_3)_3 Cl^-$; $x = 20-200$; $y = 3-60$; and b) about 0 to 2 % of an electrolyte.

EP 0 394 689 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 90105915.4

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	FR - A1 - 2 497 218 (MANUFACTURE DE PRODUITS CHIMIQUES PROTEX) * Claims *	2, 4, 6, 10	D 06 M 15/643
A	JP - B2 - 60-39 792 (JAPAN EXLAN KK) * Claims *	1, 2, 5	
A	US - A - 4 757 121 (TANAKA et al.) * Claims; example 1 *	1, 4, 6, 8	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D 06 M
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 11-12-1990	Examiner BECK
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : member of the same patent family, corresponding document			